



Basic Assessment Report in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations, 2014 (Version 1)

Kindly note that:

1. This **Basic Assessment Report** is the standard report required by GDARD in terms of the EIA Regulations, 2014.
2. This application form is current as of 8 December 2014. It is the responsibility of the EAP to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
3. **A draft Basic Assessment Report must be submitted, for purposes of comments within a period of thirty (30) days, to all State Departments administering a law relating to a matter likely to be affected by the activity to be undertaken.**
4. **A draft Basic Assessment Report (1 hard copy and two CD's) must be submitted, for purposes of comments within a period of thirty (30) days, to a Competent Authority empowered in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended to consider and decide on the application.**
5. Five (5) copies (3 hard copies and 2 CDs-PDF) of the final report and attachments must be handed in at offices of the relevant competent authority, as detailed below.
6. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
7. Selected boxes must be indicated by a cross and, when the form is completed electronically, must also be highlighted.
8. An incomplete report may lead to an application for environmental authorisation being refused.
9. **Any report that does not contain a titled and dated full colour large scale layout plan of the proposed activities including a coherent legend, overlain with the sensitivities found on site may lead to an application for environmental authorisation being refused.**
10. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the application for environmental authorisation being refused.
11. No faxed or e-mailed reports will be accepted. Only hand delivered or posted applications will be accepted.
12. Unless protected by law, and clearly indicated as such, all information filled in on this application will become public information on receipt by the competent authority. The applicant/EAP must provide any interested and affected party with the information contained in this application on request, during any stage of the application process.
13. Although pre-application meeting with the Competent Authority is optional, applicants are advised to have these meetings prior to submission of application to seek guidance from the Competent Authority.

DEPARTMENTAL DETAILS

Gauteng Department of Agriculture and Rural Development
Attention: Administrative Unit of the of the Environmental
Affairs Branch
P.O. Box 8769
Johannesburg, 2000
Department central telephone number: (011) 240 2500

Administrative Unit of the of the Environmental Affairs
Branch
Ground floor Diamond Building
11 Diagonal Street, Johannesburg
Administrative Unit telephone number: (011) 240 3377

(For official use only)

NEAS Reference Number:						
File Reference Number:						
Application Number:						
Date Received:						

If this BAR has not been submitted within 90 days of receipt of the application by the competent authority and permission was not requested to submit within 140 days, please indicate the reasons for not submitting within time frame.

The BAR application is meant to be submitted within 90 days.

Is a closure plan applicable for this application and has it been included in this report?

NO

if not, state reasons for not including the closure plan.

This is a continuous project, the applicant do not see foreseeable closure in the near future.

Has a draft report for this application been submitted to a competent authority and all State Departments administering a law relating to a matter likely to be affected as a result of this activity?

YES

A copy of the Stakeholder database can be found in Appendix E

Is a list of the State Departments referred to above attached to this report including their full contact details and contact person?

YES

If no, state reasons for not attaching the list.

Have State Departments including the competent authority commented?

N/A

If no, why?

Not yet, as this is the first submission.

SECTION A: ACTIVITY INFORMATION

1. PROPOSAL OR DEVELOPMENT DESCRIPTION

Project title (must be the same name as per application form):

Mokgope Consulting has been appointed by IKhuhu Poultry Farm (PTY) Ltd to undertake the Environmental Authorisation application on their behalf for the proposed hatchery facility. IKhuhu Poultry Farm (PTY) Ltd is a black owned company that saw a need in the market to which it will be playing a role in the poultry market by assisting the industry to meeting the growing market of chicken business while creating jobs for South African youth. As with most agricultural enterprises there is a continuing need to expand the current operation in order to be more efficient and economically viable as well as a need to meet the ever increasing demand for poultry products in South Africa, IKhuhu Poultry Farm (PTY) Ltd working together with the Festive chicken production firm.

IKhuhu Poultry Farm (PTY) Ltd purchased the Honingnestkrans farm with the vision of poultry farming, the Honingnestkrans No 269, portion 154, is approximately \pm 24 hectors in size, it falls under Tshwane Metropolitan municipality under Region 1, Ward 4. IKhuhu Poultry Farm (PTY) Ltd is the rightful owner of the farm see the attached title deeds in Appendix I. The farm is located along the R101 main road, the proposed project is estimated to affect approximately \pm 3 hectares footprint. The study area is situated immediately south of Katlagter Road (gravel road) and approximately 500 m north of Piet My Vrou Road (gravel road). The M35 (Soutp'n Road) is situated approximately 2.6 km west of the study area, while the M39 (Roiwalpad Road) is situated 1.5 km to the south, and the R 80 4.2 km west. The residential area of Shoshanguve is located approximately 3.8 km west of the study area.

The proposed project development comprises of 6 broilers houses to be constructed, each to house to accommodate a minimum of 40 000 chicks and 240 chicks in total on site. Associated infrastructure (site offices and toilet for customers, stay in rooms for labours, security small hut, a new access road of 7m to be paved). The farm already has 3 active borehole water with yield capacity of 5000l per hour each, that is to be used for both domestic and commercial purpose of the farm.

The six structures to be built, these structures will have an open environment chicken houses constructed according to FESTIVE's specifications which include but not limited to;

fully environmentally controlled houses. The proposed houses will make use of some of the latest technology available for ventilation, lighting, heating and cooling, as environmental conditions such as temperature and lighting play a very vital role in bird growth and development and will therefore be carefully controlled. The proposed houses will also make use of latest technology for automatic feed and water distribution. Open sides or curtain-type houses with 12 meters wide and 108 meters long.

Stocking density of 20 birds per square meter is expected, each broiler house must have a suitable control room, and equipment such as feeder system, water system, controller, ventilation inlets, ventilation fans, scales and feed silos. Roof insulation of 100mm, Side wall insulation of 75mm. Each broiler house must have 2 feed silos with a capacity of at least 18 tons each, water tank with a 500-litre water capacity for open houses and 1000 litre capacity for environmentally closed houses.

Each house must be fitted with a water meter, have a cement slab of at least 100 square meters at the entrance to make the catching, washing and litter removal operations easier.

Select the appropriate box

The application is for an upgrade of an existing development	<input type="checkbox"/>	The application is for a new development	<input checked="" type="checkbox"/>	Other, specify	<input type="checkbox"/>
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Does the activity also require any authorisation other than NEMA EIA authorisation?

YES NO

If yes, describe the legislation and the Competent Authority administering such legislation

NO

If yes, have you applied for the authorisation(s)?

YES NO

If yes, have you received approval(s)? (attach in appropriate appendix)

YES NO

2. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations:

Title of legislation, policy or guideline:	Administering authority:	Promulgation Date:
Constitution of the Republic of South Africa Act, 1996 (Act No. 108 of 1996).	National	18 December 1996
National Environmental Management Act, 1998 (Act	National & Provincial	27 November

Title of legislation, policy or guideline:	Administering authority:	Promulgation Date:
No. 107 of 1998 as amended).		1998
National Environmental Management Act EIA Regulations GN R982, 4 December 2014.	Provincial	4 December 2014.
National Water Act, 1998 (Act No. 36 of 1998).	National	20 August 1998
National Environmental Management Biodiversity Act, 2004 (Act No. 10 of 2004).	National & Provincial	07 June 2004
National Environmental Management Air Quality Act, 2004 (Act No. 39 of 2004).	National & Provincial	11 September 2011
National Health Act, 2003 (Act No.61 of 2003).	National & Provincial	23 July 2004
National Environmental Management Waste Act, 2008 (Act No. 59 of 2008).	National & Provincial	01 July 2009
Animal Disease Act, 1984 (Act No. 35 of 1984).	National & Provincial	01 October 1996
Animal Protection Act, 1962 (Act No. 71 of 1962).	National	01 December 1962
Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).	National & Provincial	01 June 1984
Department of Environmental Affairs (DEA) Integrated Environmental Management Guideline Series, Guideline 3: General Guide to the EIA Regulations, 2006.	National & Provincial	2006
DEA Integrated Environmental Management Guideline Series, Guideline 4: Public Participation in support of the EIA Regulations.	National & Provincial	2006
DEA Integrated Environmental Management Guideline Series, Guideline 5: Assessment of Alternatives and Impacts in support of the Environmental Impact Assessment Regulations.	National & Provincial	2006
DEA Integrated Environmental Management Guideline Series, Guideline 5: Companion to the EIA Regulations	National & Provincial	2012
Gauteng Conservation Plan.	Municipal	October 2011

Description of compliance with the relevant legislation, policy or guideline:

Legislation, policy or guideline	Description of compliance
Constitution of the Republic of South Africa Act, 1996 (Act No. 108 of 1996).	<ul style="list-style-type: none"> This EIA process for the proposed poultry hatchery and layer farm focuses on the minimisation of environmental impacts resulting from the construction, operation and decommissioning of the proposed Poultry Farm in order to fulfil the requirements of Section 24 of the constitution.
National Environmental Management Act, 1998 (Act No.	<ul style="list-style-type: none"> An application for Environmental Authorisation for the proposed development is submitted in

Legislation, policy or guideline	Description of compliance
107 of 1998 as amended).	terms of GNR 982 of NEMA EIA Regulations, 4 December 2014, as amended in April 2017, promulgated under NEMA.
National Environmental Management Act EIA Regulations GN R982, 4 December 2014.	<ul style="list-style-type: none"> The compilation for the Basic Assessment Report and associated Environmental Management Plan is in adherence to the National Environmental Management Act, 1997 (Act No. 107 of 1998). Activities listed in GN 983 and 985 have been applied for.
National Water Act, 1998 (Act No. 36 of 1998).	<ul style="list-style-type: none"> The objectives of the National Water Act, 1998 (Act No. 36 of 1998) have been addressed in the Water Use License Application. Mitigation and management measures have been compiled in this Basic Assessment Report for the protection of natural water resources.
National Environmental Management Biodiversity Act, 2004 (Act No. 10 of 2004).	<ul style="list-style-type: none"> No endangered or threatened species are located within the expansions footprint of the proposed poultry hatchery and layer farm. This existing land use and degraded nature of the area, leaves minimal opportunity for species diversity.
National Environmental Management Air Quality Act, 2004 (Act No. 39 of 2004).	<ul style="list-style-type: none"> No listed activities are triggered in terms of GNR. 893 printed in terms of the National Environmental Management Air Quality Act, 2004 (Act No. 39 of 2004). The Environmental Management Plan, however still focuses on the minimisation of any emissions resulting in deterioration of the air quality.
National Environmental Management Waste Act, 2008 (Act No. 59 of 2008).	<ul style="list-style-type: none"> No waste listed activities will be triggered for the proposed expansions, however during the construction and operation of the proposed poultry hatchery and layer farm, the basis of the National Environmental Management Waste Act, 2008 (Act No. 59 of 2008) hierarchy focusing on waste reduction and reuse will be implemented.
Animal Disease Act, 1984 (Act No. 35 of 1984).	<ul style="list-style-type: none"> The EMPr will strive to prevent the spread of diseases resulting from the proposed poultry hatchery and layer farm. Mitigation measures have been included to reduce the risk of

Legislation, policy or guideline	Description of compliance
	diseases.
Animal Protection Act, 1962 (Act No. 71 of 1962).	<ul style="list-style-type: none"> The chickens will be securely housed at the proposed facilities. The chickens will be handled humanly and kept in a healthy state prior to slaughter. No slaughtering will be or is conducted at the proposed facility.
Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983).	<ul style="list-style-type: none"> The objectives of this act are to make provision for the conservation of the natural agricultural resources of South Africa, through the maintenance of the production potential of land, by the combating and prevention of erosion and weakening or destruction of the water sources, and by the protection of the vegetation and the eradication of weeds and invader plants that may be identified in the surrounding environment of the proposed project. The Act was taken cognisance of in the development of the EMPr.
Department of Environmental Affairs (DEA) Integrated Environmental Management Guideline Series, Guideline 3: General Guide to the EIA Regulations, 2006.	<ul style="list-style-type: none"> This guideline was taken cognisance of in assessing the environmental impacts envisaged from the proposed poultry hatchery and layer farm.
DEA Integrated Environmental Management Guideline Series, Guideline 4: Public Participation in support of the EIA Regulations.	<ul style="list-style-type: none"> This guideline was taken cognisance of during the Stakeholder Engagement process conducted for the proposed poultry hatchery and layer farm.
DEA Integrated Environmental Management Guideline Series, Guideline 5: Assessment of Alternatives and Impacts in support of the Environmental Impact Assessment Regulations.	<ul style="list-style-type: none"> This guideline was taken cognisance of in determining the alternatives for the proposed poultry hatchery and layer farm.
DEA Integrated Environmental Management Guideline Series, Guideline 5: Companion to the EIA Regulations.	<ul style="list-style-type: none"> This guideline was taken cognisance of in assessing the environmental impacts envisaged from the proposed poultry hatchery and layer farm.

Legislation, policy or guideline	Description of compliance
Gauteng Conservation Plan.	<ul style="list-style-type: none"> The Gauteng Conservation Plan was taken cognisance of in ensuring the protection of the surrounding ecology by preventing the sterilisation of soils and biodiversity.

3. ALTERNATIVES

Describe the proposal and alternatives that are considered in this application. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished. The determination of whether the site or activity (including different processes etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment.

The no-go option must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. **Do not include the no go option into the alternative table below.**

Note: After receipt of this report the competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Please describe the process followed to reach (decide on) the list of alternatives below

No alternative of the proposed structure

Provide a description of the alternatives considered

No.	Alternative type,	Description
	either alternative: site on property, properties, activity, design, technology, energy, operational or other(provide details of "other")	

In the event that no alternative(s) has/have been provided, a motivation must be included in the table below.

The location within the farm was decided upon as a result of the access to the existing road and Eskom Powerline infrastructure on the property. The access roads is proposed to access to the property and current water factory. The location of the proposed infrastructure
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is to ensure Biosecurity access control and entrance.

4. PHYSICAL SIZE OF THE ACTIVITY

Indicate the total physical size (footprint) of the proposal as well as alternatives. Footprints are to include all new infrastructure (roads, services etc), impermeable surfaces and landscaped areas:

		Size of the activity:
Proposed activity (<i>Total environmental landscaping, parking, etc.</i>) and the building footprint)		2ha
Alternatives:		
Alternative 1: Flow-through system		
Alternative 2: Alternative Fish Species		
Alternative 3: No Aquaponics Facility		
		Ha/ m ²

or, for linear activities:

		Length of the activity:
Proposed activity		
Alternatives:		
Alternative 1: Flow-through system		
Alternative 2: Alternative Fish Species		
Alternative 3: No Aquaponics Facility		
		m/km

Indicate the size of the site(s) or servitudes (within which the above footprints will occur):

		Size of the site/servitude:
Proposed activity		
Alternatives:		
Alternative 1: Flow-through system		
Alternative 2: Alternative Fish Species		
Alternative 3: No Aquaponics Facility		
		Ha/m ²

5. SITE ACCESS

Proposal:

Does ready access to the site exist, or is access directly from an existing road?	YES	NO
If NO, what is the distance over which a new access road will be built		
Describe the type of access road planned:		
G5 material will be added on the road to create stability in order for trucks to access the site and later pave for commercial purpose.		

Include the position of the access road on the site plan (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

Alternative 1:

Does ready access to the site exist, or is access directly from an existing road?	YES	NO
If NO, what is the distance over which a new access road will be built	m	
Describe the type of access road planned:		
The access road to the broiler houses will be via the existing entrance.		

Include the position of the access road on the site plan. (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

Alternative 2:

Does ready access to the site exist, or is access directly from an existing road?	YES	NO
If NO, what is the distance over which a new access road will be built	M	
Describe the type of access road planned:		
NA		

Include the position of the access road on the site plan. (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

Alternative 3:

Does ready access to the site exist, or is access directly from an existing road?	YES	NO
If NO, what is the distance over which a new access road will be built	m	
Describe the type of access road planned:		
NA		

Include the position of the access road on the site plan. (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

PLEASE NOTE: Points 6 to 8 of Section A must be duplicated where relevant for alternatives

Section A 6-8 has been duplicated		Number of times	(only complete when applicable)
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6. LAYOUT OR ROUTE PLAN

A detailed site or route (for linear activities) plan(s) must be prepared for each alternative site or alternative activity. It must be attached to this document. The site or route plans must indicate the following:

- the layout plan is printed in colour and is overlaid with a sensitivity map (if applicable);
- layout plan is of acceptable paper size and scale, e.g.
 - A4 size for activities with development footprint of 10sqm to 5 hectares;
 - A3 size for activities with development footprint of > 5 hectares to 20 hectares;
 - A2 size for activities with development footprint of >20 hectares to 50 hectares);
 - A1 size for activities with development footprint of >50 hectares);
- The following should serve as a guide for scale issues on the layout plan:
 - A0 = 1: 500
 - A1 = 1: 1000
 - A2 = 1: 2000
 - A3 = 1: 4000
 - A4 = 1: 8000 (±10 000)
- shapefiles of the activity must be included in the electronic submission on the CD's;

- the property boundaries and Surveyor General numbers of all the properties within 50m of the site;
- the exact position of each element of the activity as well as any other structures on the site;
- the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, sewage pipelines, septic tanks, storm water infrastructure;
- servitudes indicating the purpose of the servitude;
- sensitive environmental elements on and within 100m of the site or sites (including the relevant buffers as prescribed by the competent authority) including (but not limited thereto):
 - Rivers and wetlands;
 - the 1:100 and 1:50 year flood line;
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation (even if it is degraded or infested with alien species);
- Where a watercourse is located on the site at least one cross section of the water course must be included (to allow the position of the relevant buffer from the bank to be clearly indicated)

FOR LOCALITY MAP (NOTE THIS IS ALSO INCLUDED IN THE APPLICATION FORM REQUIREMENTS)

- the scale of locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map;
- the locality map and all other maps must be in colour;
- locality map must show property boundaries and numbers within 100m of the site, and for poultry and/or piggery, locality map must show properties within 500m and prevailing or predominant wind direction;
- for gentle slopes the 1m contour intervals must be indicated on the map and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the map;
- areas with indigenous vegetation (even if it is degraded or infested with alien species);
- locality map must show exact position of development site or sites;
- locality map showing and identifying (if possible) public and access roads; and
- the current land use as well as the land use zoning of each of the properties adjoining the site or sites.

7. SITE PHOTOGRAPHS

Colour photographs from the center of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under the appropriate **Appendix**. It should be supplemented with additional photographs of relevant features on the site, where applicable.

8. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity to be attached in the appropriate Appendix.

SECTION B: DESCRIPTION OF RECEIVING ENVIRONMENT

Note: Complete Section B for the proposal and alternative(s) (if necessary)

Instructions for completion of Section B for linear activities

- 1) For linear activities (pipelines etc) it may be necessary to complete Section B for each section of the site that has a significantly different environment.
- 2) Indicate on a plan(s) the different environments identified
- 3) Complete Section B for each of the above areas identified
- 4) Attach to this form in a chronological order
- 5) Each copy of Section B must clearly indicate the corresponding sections of the route at the top of the next page.

Section B has been duplicated for sections of the route		times
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Instructions for completion of Section B for location/route alternatives

- 1) For each location/route alternative identified the entire Section B needs to be completed
- 2) Each alternative location/route needs to be clearly indicated at the top of the next page
- 3) Attach the above documents in a chronological order

Section B has been duplicated for location/route alternatives		times
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(complete only when appropriate)

Instructions for completion of Section B when both location/route alternatives and linear activities are applicable for the application

Section B is to be completed and attachments order in the following way

- All significantly different environments identified for Alternative 1 is to be completed and attached in a chronological order; then
- All significantly different environments identified for Alternative 2 is to be completed and attached chronological order, etc.

Section B - Section of Route		(complete only when appropriate for above)
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Section B – Location/route Alternative No.		(complete only when appropriate for above)
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1. PROPERTY DESCRIPTION

Property description: (Including Physical Address and Farm name, portion etc.)	HONINGNESTKRANS, Farm 269, Portion 154
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2. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in decimal degrees. The degrees should have at least six decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

Position:	Latitude (S):	Longitude (E):
The centre of the site	25°32' 0.32 S	28°9' 29.81 E

In the case of linear activities:

Alternative:	Latitude (S):	Longitude (E):
<input type="checkbox"/> Starting point of the activity	°	°
<input type="checkbox"/> Middle point of the activity	°	°
<input type="checkbox"/> End point of the activity	°	°

For route alternatives that are longer than 500m, please provide co-ordinates taken every 250 meters along the route and attached in the appropriate Appendix

Addendum of route alternatives attached

The 21-digit Surveyor General code of each cadastral land parcel

Proposal	T	0	J	R	0	0	0	0	0	0	0	0	0	2	6	9	0	0	1	5	4
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3. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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4. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site.

Ridgeline	Plateau	Side slope of hill/ridge	Valley	Plain	Undulating plain/low hills	River front
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5. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

a) Is the site located on any of the following?

Shallow water table (less than 1.5m deep)	YES	NO
Dolomite, sinkhole or doline areas	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO
Any other unstable soil or geological feature	YES	NO

An area sensitive to erosion	YES	NO
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(Information in respect of the above will often be available at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by Geological Survey may also be used).

b) are any caves located on the site(s)	YES	NO
If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)		
Latitude (S):	Longitude (E):	
o	o	

c) are any caves located within a 300m radius of the site(s)	YES	NO
If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)		
Latitude (S):	Longitude (E):	
o	o	

d) are any sinkholes located within a 300m radius of the site(s)	YES	NO
If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)		
Latitude (S):	Longitude (E):	
o	o	

If any of the answers to the above are “YES” or “unsure”, specialist input may be requested by the Department

6. AGRICULTURE

Does the site have high potential agriculture as contemplated in the Gauteng Agricultural Potential Atlas (GAPA 4)?	YES	NO
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Please note: The Department may request specialist input/studies in respect of the above.

7. GROUNDCOVER

To be noted that the location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Indicate the types of groundcover present on the site and include the estimated percentage found on site

Natural veld - good condition % =	Natural veld with scattered aliens % = 90	Natural veld with heavy alien infestation % =	Veld dominated by alien species % =	Landscaped (vegetation) % =
Sport field % =	Cultivated land % =	Paved surface (hard landscaping) % =	Building or other structure % =	Bare soil % =

Please note: The Department may request specialist input/studies depending on the nature of the groundcover and potential impact(s) of the proposed activity/ies.

Are there any rare or endangered flora or fauna species (including red list species) present on the site?	YES	NO
If YES, specify and explain:		

Are there any rare or endangered flora or fauna species (including red list species) present within a 200m (if within urban area as defined in the Regulations) or within 600m (if outside the urban area as defined in the Regulations) radius of the site.	YES	NO
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If YES, specify and explain:		
<p>The SCC assessment not only considers floral SCC recorded on site during the field assessment but also includes a Potential of Occurrence (POC) assessment where the assessment takes suitable habitat to support any such species into consideration. Thus, for the POC assessment, a list of Red Data Listed (RDL) species previously recorded within the QDS 2528CA was obtained from Gauteng Department of Agriculture and Rural Development (GDARD), comprising SANBI Red Data Listed species.</p> <p>According to the list provided by GDARD, the following Red/Orange List plant taxa have been recorded from the farm on which the study site is situated or within 5km of the study site:</p> <ul style="list-style-type: none"> ➤ <i>Searsia gracillima</i> var <i>gracillima</i> (NT) ➤ <i>Stenostelma umbelluliferum</i> (NT) <p>Of the above-mentioned species, <i>Searsia gracillima</i> var. <i>gracillima</i> (NT) received a POC score of 60% due to available habitat within the Rocky Grassland. During the field assessment no individuals of this species were observed however the more widespread hairless variant <i>S. gracillima</i> var. <i>glaberrima</i> (LC) were observed within the Rocky Grassland in the western portion of the study area.</p>		

It is recommended that once the development footprint has been finalised, the footprint area be investigated to ensure no individuals are associated with this area. Should any individuals be observed, the development footprint will have to be amended to limit the loss of individuals. Although *Stenostelma umbelluliferum* have been recorded within 5 km based on the information received from GDARD (Received from L. Mills on the 25th March 2020), habitat within the study area is not deemed suitable and this species is highly unlikely to occur within the study area.

Are there any special or sensitive habitats or other natural features present on the site?	YES	NO
If YES, specify and explain:		

Was a specialist consulted to assist with completing this section		YES	NO
If yes complete specialist details			
Name of the specialist:	Nelanie		
Qualification(s) of the specialist:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	
Are any further specialist studies recommended by the specialist?		YES	NO
If YES, specify:			
If YES, is such a report(s) attached?		YES	NO
If YES list the specialist reports attached below			
Signature of specialist:		Date:	

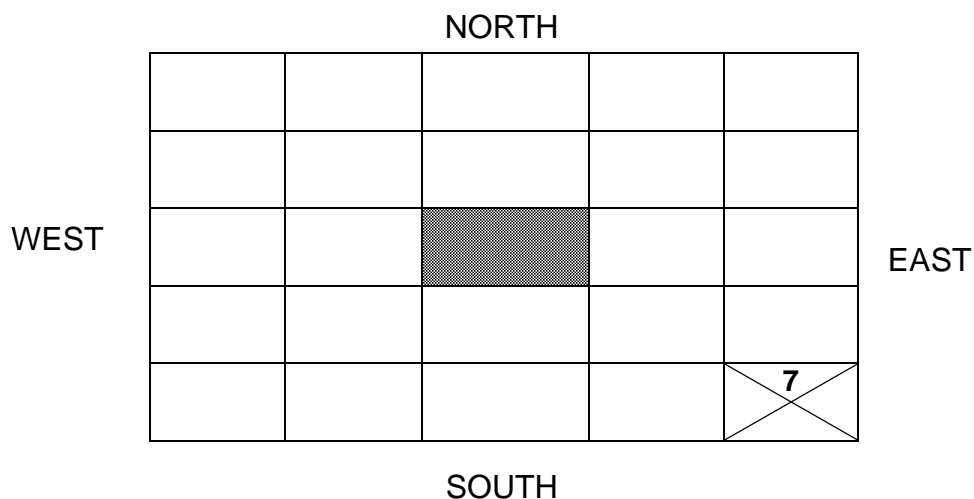
Please note; If more than one specialist was consulted to assist with the filling in of this section then this table must be appropriately duplicated.

8. LAND USE CHARACTER OF SURROUNDING AREA

Using the associated number of the relevant current land use or prominent feature from the table below, fill in the position of these land-uses in the vacant blocks below which represent a 500m radius around the site

1. Vacant land	2. River, stream, wetland	3. Nature conservation area	4. Public open space	5. Koppie or ridge
6. Dam or reservoir	7. Agriculture	8. Low density residential	9. Medium to high density residential	10. Informal residential
11. Old age home	12. Retail	13. Offices	14. Commercial & warehousing	15. Light industrial
16. Heavy industrial ^{AN}	17. Hospitality facility	18. Church	19. Education facilities	20. Sport facilities
21. Golf course/polo fields	22. Airport ^N	23. Train station or shunting yard ^N	24. Railway line ^N	25. Major road (4 lanes or more) ^N
26. Sewage treatment plant ^A	27. Landfill or waste treatment site ^A	28. Historical building	29. Graveyard	30. Archeological site
31. Open cast mine	32. Underground mine	33. Spoil heap or slimes dam ^A	34. Small Holdings	
Other land uses (describe):				

NOTE: Each block represents an area of 250m X 250m, if your proposed development is larger than this please use the appropriate number and orientation of hashed blocks



Note: More than one (1) Land-use may be indicated in a block

Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential impact(s) of the proposed activity/ies. Specialist reports that look at health & air quality and noise impacts may be required for any feature above and in particular those features marked with an “A” and with an “N” respectively.

Have specialist reports been attached	YES	NO
If yes indicate the type of reports below		
• Vegetation Impact Assessment		
• Heritage Impact Assessment		

9. SOCIO-ECONOMIC CONTEXT

Describe the existing social and economic characteristics of the area and the community condition as baseline information to assess the potential social, economic and community impacts.

The proposed project area is part of the area that has the population of 811 570 people in 2011. (Stats SA Census 2011) this is approximately 28% of the total population of the City of Tshwane 2 921 488. The population per income is presented on the below figure 1.

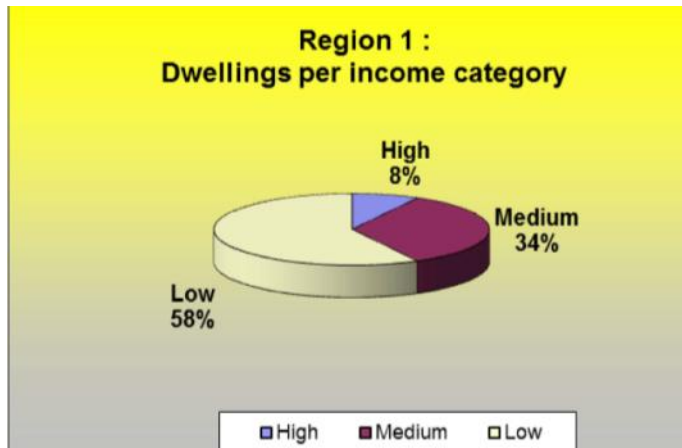


Figure1: Population per income (Source: Gautrans Road Planning, 2010).

This region is said to have fewer workshops or commercial uses such as Warehouse, store and wholesales. However, this region has database for vulnerable group according to their categories. The category for youth can nominate between 6-10 women/ disable benefit on this project as part of skill development once the project is up and running.

This project aims to provide food security, youth and women employment. The project will contribute effectively in providing an affordable protein supplement in a place of beef and chicken meat. The egg industry is a huge business and, on this project, it will contribute in employing four women youth and generate in total 8 permanent jobs.

10. CULTURAL/HISTORICAL FEATURES

Please be advised that if section 38 of the National Heritage Resources Act 25 of 1999 is applicable to your proposal or alternatives, then you are requested to furnish this Department with written comment from the South African Heritage Resource Agency (SAHRA) – Attach comment in appropriate annexure

38. (1) Subject to the provisions of subsections (7), (8) and (9), any person who intends to undertake a development categorised as-

- (a) the construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier exceeding 300m in length;
- (b) the construction of a bridge or similar structure exceeding 50m in length;
- (c) any development or other activity which will change the character of a site-

- (i) exceeding 5 000 m2 in extent; or
- (ii) involving three or more existing erven or subdivisions thereof; or
- (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years; or
- (iv) the costs of which will exceed a sum set in terms of regulations by SAHRA or a provincial heritage resources authority;
- (d) the re-zoning of a site exceeding 10 000 m2 in extent; or
- (e) any other category of development provided for in regulations by SAHRA or a provincial heritage resources authority, must at the very earliest stages of initiating such a development, notify the responsible heritage resources authority and furnish it with details regarding the location, nature and extent of the proposed development.

Are there any signs of culturally (aesthetic, social, spiritual, environmental) or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including archaeological or palaeontological sites, on or close (within 20m) to the site?

YES	NO
-----	----

If YES, explain:

If uncertain, the Department may request that specialist input be provided to establish whether there is such a feature(s) present on or close to the site.

Briefly explain the findings of the specialist if one was already appointed:

It is concluded that Kutamba Estate where Ikhuhu Poultry Farm is proposed does not contain any archaeological and heritage resources. It also falls within an area that is of Low Sensitivity in terms of the Council of Geoscience and SAHRA palaeontological sensitivity layer.

In terms of the natural environment setting and its potential to contribute to cultural landscape, Kutamba Estate does not contain any special environmental features that are important in terms of their cultural heritage significance such as mountains, forest, caves or water bodies such as wetlands and springs that may have cultural association.

It also does not contain trees that are of cultural significance such as Morula trees or plant species that are of medicinal importance in terms of terrestrial biodiversity which when assessed contains some of the important terrestrial biodiversity species. Based on these conclusions made about the site, the following recommendation is made.

Will any building or structure older than 60 years be affected in any way?

YES	NO
YES	NO

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

If yes, please attached the comments from SAHRA in the appropriate Appendix

SECTION C: PUBLIC PARTICIPATION (SECTION 41)

1. The Environmental Assessment Practitioner must conduct public participation process in accordance with the requirement of the EIA Regulations, 2014.

2. LOCAL AUTHORITY PARTICIPATION

Local authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input. The planning and the environmental sections of the local authority must be informed of the application at least thirty (30) calendar days before the submission of the application to the competent authority.

Was the draft report submitted to the local authority for comment? YES NO

If yes, has any comments been received from the local authority? YES NO

If "YES", briefly describe the comment below (also attach any correspondence to and from the local authority to this application):

If "NO" briefly explain why no comments have been received or why the report was not submitted if that is the case.

3. CONSULTATION WITH OTHER STAKEHOLDERS

Any stakeholder that has a direct interest in the activity, site or property, such as servitude holders and service providers, should be informed of the application at least **thirty (30) calendar days** before the submission of the application and be provided with the opportunity to comment.

Has any comment been received from stakeholders? YES NO

If "YES", briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

If "NO" briefly explain why no comments have been received

4. GENERAL PUBLIC PARTICIPATION REQUIREMENTS

The Environmental Assessment Practitioner must ensure that the public participation process is adequate and must determine whether a public meeting or any other additional measure is appropriate or not based on the particular nature of each case. Special attention should be given to the involvement of local community structures such as Ward Committees and ratepayers associations. Please note that public concerns that emerge at a later stage that should have been addressed may cause the competent authority to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was flawed.

The EAP must record all comments and respond to each comment of the public / interested and affected party before the application report is submitted. The comments and responses

must be captured in a Comments and Responses Report as prescribed in the regulations and be attached to this application.

5. APPENDICES FOR PUBLIC PARTICIPATION

All public participation information is to be attached in the appropriate Appendix. The information in this Appendix is to be ordered as detailed below

Appendix 1 – Proof of site notice

Appendix 2 – Written notices issued as required in terms of the regulations

Appendix 3 – Proof of newspaper advertisements

Appendix 4 – Communications to and from interested and affected parties

Appendix 5 – Minutes of any public and/or stakeholder meetings

Appendix 6 - Comments and Responses Report

Appendix 7 – Comments from I&APs on Basic Assessment (BA) Report

Appendix 8 – Comments from I&APs on amendments to the BA Report

Appendix 9 – Copy of the register of I&APs

SECTION D: RESOURCE USE AND PROCESS DETAILS

Note: Section D is to be completed for the proposal and alternative(s) (if necessary)

Instructions for completion of Section D for alternatives

- 1) For each alternative under investigation, where such alternatives will have different resource and process details (e.g. technology alternative), the entire Section D needs to be completed
- 4) Each alternative needs to be clearly indicated in the box below
- 5) Attach the above documents in a chronological order

Section D has been duplicated for times (complete only when appropriate)

Section D Proposal: (complete only when appropriate for above)

1. WASTE, EFFLUENT, AND EMISSION MANAGEMENT

Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

YES	NO
m ³	

If yes, what estimated quantity will be produced per month?

How will the construction solid waste be disposed of (describe)?

Topsoil generated by cut and fill activities will be utilised on site: either spread onto existing cropping lands, or onto the areas that are to be grassed on site. All concrete will arrive on site ready mixed, there will therefore be no concrete bags requiring disposal. Any general construction waste which may be generated during the construction phase will be stored in skips.

General waste will be transported to the local municipal landfill site Soshanguve through the municipality or a private waste disposal contractor. Service agreements in this regard will be obtained by the Applicant prior to the commencement of construction activities. Should any hazardous wastes be generated during the construction phase, this will be stored in a designated, access controlled, sign posted and bunded storage area. The spill Tech and Enviro Serve will be appointed to collect such waste with proof of disposal given to the project team.

The Environmental Management Programme (EMPr) will make provision for effective monitoring of the construction site to ensure that construction solid waste is never allowed to accumulate in volumes which may impact negatively on the environment.

Where will the construction solid waste be disposed of (describe)?

Interwaste will be in charge of collection and disposal to the landfill site.

Will the activity produce solid waste during its operational phase?
If yes, what estimated quantity will be produced per month?

YES	NO
m ³	

How will the solid waste be disposed of (describe)?

General solid waste will be disposed of the Soshanguve landfill site under Tshwane Metropolitan Municipality.

Hazardous construction wastes will be disposed of at Interwaste Landfill, Interwaste will come collect.

Has the municipality or relevant service provider confirmed that sufficient air space exists for treating/disposing of the solid waste to be generated by this activity?

YES	NO
-----	----

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?

A formal quote and Memorandum of understanding will be submitted to the department.

Note: If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?

YES	NO
-----	----

If yes, inform the competent authority and request a change to an application for scoping and EIA.

Is the activity that is being applied for a solid waste handling or treatment facility?

YES	NO
-----	----

If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Describe the measures, if any, that will be taken to ensure the optimal reuse or recycling of materials:

--

Liquid effluent (other than domestic sewage)

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

YES	NO
-----	----

If yes, what estimated quantity will be produced per month?

m ³	
----------------	--

If yes, has the municipality confirmed that sufficient capacity exists for treating / disposing of the liquid effluent to be generated by this activity(ies)?

YES	NO
-----	----

Will the activity produce any effluent that will be treated and/or disposed of on site?

Yes	NO
-----	----

If yes, what estimated quantity will be produced per month?

m ³	
----------------	--

If yes describe the nature of the effluent and how it will be disposed.

--

Note that if effluent is to be treated or disposed on site the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA

Will the activity produce effluent that will be treated and/or disposed of at another facility?

YES	NO
-----	----

If yes, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

--

Liquid effluent (domestic sewage)

Will the activity produce domestic effluent that will be disposed of in a municipal sewage system?

YES	NO
-----	---------------

If yes, what estimated quantity will be produced per month?

m ³	
----------------	--

If yes, has the municipality confirmed that sufficient capacity exists for treating / disposing of the domestic effluent to be generated by this activity(ies)?

YES	NO
-----	----

Will the activity produce any effluent that will be treated and/or disposed of on site?

YES	NO
-----	---------------

If yes describe how it will be treated and disposed of.

--

Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

YES	NO
YES	NO

If yes, is it controlled by any legislation of any sphere of government?

If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

If no, describe the emissions in terms of type and concentration:

--

Dust -it will be generated during the construction phase, as a result of increased traffic on gravel roads and vegetation clearing activities. This will have a negative impact but will be a short term effect and low to moderate in nature. Dust impacts could be easily mitigated on the site by employing the following:

- During construction and only where necessary, access roads and areas which have been cleared of vegetation can be treated with a dust suppressant, or should be lightly dampened (if sufficient water resources are available) to prevent wind-blown dust, especially during high-wind conditions.
- Development areas should only be cleared of vegetation immediately prior to the commencement of construction.

Following construction, cleared areas should be rehabilitated as soon as possible.

Emissions: Vehicle emissions will increase during the construction phase as a result of increased traffic to the site as well as the operation of large plant. This will have a negative impact but will be short term and low to moderate in nature.

- Emission impacts could be easily mitigated by employing the following:
- Vehicles that access the site during the construction phase of the development must be properly maintained. The Contractor will be responsible for ensuring that exhaust emissions from vehicles are controlled.

2. WATER USE

Indicate the source(s) of water that will be used for the activity

municipal	Directly from water board	groundwater	river, stream, dam or lake	other	the activity will not use water
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month: 864.9m³

If Yes, please attach proof of assurance of water supply, e.g. yield of borehole, in the appropriate Appendix

Does the activity require a water use permit from the Department of Water and Sanitation?

YES	NO
-----	----

If yes, list the permits required

A pre-consultation meeting has been held with the Department of Water and Sanitation, and the relevant Water Use Licence Application (WULA) is in the process of being completed. See the attached details of the borehole in Appendix I.

If yes, have you applied for the water use permit(s)?

If yes, have you received approval(s)? (attached in appropriate appendix)

YES	NO
YES	NO

3. POWER SUPPLY

Please indicate the source of power supply eg. Municipality / Eskom / Renewable energy source

Eskom power supply.

If power supply is not available, where will power be sourced from?

4. ENERGY EFFICIENCY

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

The proposed houses will make use of some of the latest technology available for ventilation, lighting, heating and cooling, as environmental conditions such as temperature and lighting play a very vital role in bird growth and development and will therefore be carefully controlled. The proposed houses will also make use of latest technology for automatic feed and water distribution.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

The site is located on the Gauteng EMF Zone 5 and the Strategic Transmission Corridor, as a result SuperChicks is considering to use Solar power for future success of the hatchery without disturbance.

SECTION E: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts as well as the impacts of not implementing the activity (Section 24(4)(b)(i)).

1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summarise the issues raised by interested and affected parties.

No comment as yet

Summary of response from the practitioner to the issues raised by the interested and affected parties (including the manner in which the public comments are incorporated or why they were not included)

(A full response must be provided in the Comments and Response Report that must be attached to this report):

A detailed report will be submitted as soon as public participation process is concluded.

2. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION AND OPERATIONAL PHASE

Briefly describe the methodology utilised in the rating of significance of impacts

The rating was based on the specialist outcome and ratings, as a result all of their recommendation were EMPr on Appendix H.

Briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the construction phase for the various alternatives of the proposed development. This must include an assessment of the significance of all impacts.

Potential Impacts	Rating of Impacts	Proposed Mitigation	Significance Rating
a. Site Establishment - Unnecessary clearing and removal of vegetation.	Moderate	Where clearing of vegetation cannot be avoided, it should be strictly limited to the exact footprint required for the site establishment.	Low
b. Environmental Contamination- Soil and water contamination	High	Ensure that excrement, carcasses, feed, and other construction and operational waste and hazardous materials are appropriately and effectively contained and disposed of without detriment to the environment.	medium

c. Visual - Potential visual intrusion of construction activities on the views of sensitive visual receptors.	Medium	The Contractor should maintain good housekeeping on site to avoid litter and minimise waste. Ensure that rubble and litter are appropriately stored and regularly removed from site to a licensed waste disposal facility.	Low.
d. Noise – Sensory disturbance of faunal communities.	Medium	Offending machinery and vehicles will be banned from use on site until they have been repaired. Noise levels must be kept within acceptable limits and must not be of such nature as to detract adjacent land users.	Low
e. Health and Safety: Potential dangerous working conditions.	High	Compliance with relevant Occupational Health and Safety Legislation working on the site with the necessary personal protective equipment. Implement safety induction. Training on relevant machinery.	Medium
f. Air quality- Air pollution through dust and vehicle emissions.	Medium	Dampening down of un-surfaced and un-vegetated areas must be done during dusty periods.	Low
g. Water Quality - Possible discharge of contaminated stormwater into the surrounding environment.	High	Suitable stormwater/ surface water quality monitoring programme should be established and implemented.	Medium
h. Use of cement and concrete.	High	Pre-mix concrete shall be the preferred option where possible. The batching / mixing area must be properly designated and indicated on the site plan and it will be kept neat and clean at all times.	Medium

i. Reduce odor level - Bad odor from chicken manure.	Medium	The chicken houses must be well ventilated to avoid odors. The automated ventilation system to be used must be checked for effectiveness on a regular basis.	Low
j. Socio economic - Socio economic impact.	High	The Local Municipality and Ward Councilor will be engaged prior to recruitment of personnel; preference will be given to locals where applicable.	Medium

List any specialist reports that were used to fill in the above tables. Such reports are to be attached in the appropriate Appendix.

- Vegetation Assessment Specialist.
- Heritage Specialist.
- Hydrogeological Assessment (On progress).

Describe any gaps in knowledge or assumptions made in the assessment of the environment and the impacts associated with the proposed development.

If the applicant do not appoint an ECO with experience, to ensure that the following species; *Searsia gracillima* var *gracillima*) habitat unit in its entirety, once designs have been finalised, a walkdown of the development footprint area be undertaken and all protected species marked for relocation. This area where this plants are located should be barricaded about 80-100m be left undeveloped to filter impacts and edge effects. So during construction this area should be noted as a No Go Area.

3. IMPACTS THAT MAY RESULT FROM THE DECOMMISSIONING AND CLOSURE PHASE

Briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the decommissioning and closure phase for the various alternatives of the proposed development. This must include an assessment of the significance of all impacts.

Potential Impacts	Rating of Impacts	Proposed Mitigation	Significance Rating
a) Rehabilitation of the site.	High	No unauthorised entry, stockpiling, dumping or storage of equipment outside the site boundary is permitted.	Medium

		<p>Remove all temporary structures and re-instate the area on completion of the works.</p> <p>All effluent washing water should be properly disposed of.</p>	
b) Generation, disposal and storage of waste.	Medium	All Waste Storage areas including areas where potentially hazardous waste is stored should be adequately fenced in and secured to prevent any access of public members and unauthorised people.	Low
c) Replacement of topsoil and vegetation	High	<p>Set rehabilitation objectives with regards to the Waste Dumping area including the following:</p> <ul style="list-style-type: none"> • Soil usage, • Vegetation establishment, • Removal of infrastructure, • Sloping methods, • End land use requirements. • Long-term erosion prevention. 	Medium
d) Social Amenity:	Medium	<p>Minimisation of disturbance of the residents in the vicinity of the site will have to be taken into account during all phases of the project.</p> <p>The siting of areas for delivery of equipment and materials must take into account the noise generated by the vehicle as well as noise generated by off-loading equipment.</p> <p>Noise should be limited to site.</p>	Low
e) j) Employment Creation	High	<p>Local labour (both male and female, skilled and unskilled) will be employed as a priority.</p> <p>Workers are to be made aware that employment is only temporary and will cease at the end of the contract period.</p>	Medium

List any specialist reports that were used to fill in the above tables. Such reports are to be attached in the appropriate Appendix.

- Vegetation Assessment Specialist.
- Heritage Specialist.
- Hydrogeological Assessment (On progress).

Where applicable indicate the detailed financial provisions for rehabilitation, closure and ongoing post decommissioning management for the negative environmental impacts.

Not Yet provided with the Bill of Quantities

4. CUMULATIVE IMPACTS

Describe potential impacts that, on their own may not be significant, but is significant when added to the impact of other activities or existing impacts in the environment. Substantiate response:

None

5. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that sums up the impact that the proposal and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Proposal

The preferred has been considered due to the fact that it was proven to have been disturbed currently through cultivation, previously grazed, and disturbed. The grass of this eastern section of site is of low importance Ideally, the low-medium sensitivity class, consisting of Hyaprrhenia hirta dominated grassland on the western section of the site, should be used for the proposed development of a chicken rearing infrastructure.

Alternative 1:

The chicken farm infrastructure will inevitably require the removal of vegetation for the purpose of access roads, structural infrastructure, and open space between chicken runs. Areas where building material are stored would flatten vegetation that could be detrimental to the persistence of the vegetation. In addition, the illegal disposal of construction material such as oil, cement etc. could destroy natural vegetation.

The sources of this impact include:

- Clearing of and damage to vegetation in construction footprint, access roads, construction camps, vehicle / machinery traffic and trampling by workers;
- Illegal disposal and dumping of construction material such as cement or oil, as well as maintenance materials during construction;
- Edge effects e.g. heavy vehicles turning in adjacent areas;
- Storage of equipment within vegetation; and
- Maintenance or operational vehicles driving within natural or rehabilitated vegetation, not impacted on during the construction, will lead to the destruction of naturally occurring vegetation and compaction of soils and subsequent erosion or colonisation by alien invasive plant species. In addition, failed rehabilitation could lead to soil erosion during rainfall events and flooding.

Direct Impacts:

- Destruction of vegetation.
- Loss of semi-natural grassland and degradation of grassland on site.
- Loss of habitat of plant species of conservation concern.
- Potential spread of alien invasive vegetation.
- Potential contamination of soils with hydrocarbons and/or other pollutants.

Indirect Impacts:

- Increase of fragmentation and edge effects into natural vegetation
- Degradation of the remaining grassland due to changes in fire regime, surface and groundwater flow and fragmentation.

Alternative 2:

Alternative 3:

No-go (compulsory)

To ensure that the following species; *Searsia gracillima* var *gracillima*) habitat unit in its entirety, once designs have been finalised, a walkdown of the development footprint area be undertaken and all protected species marked for relocation. This area where this plants are located should be barricaded about 80-100m be left undeveloped to filter impacts and edge effects. So during construction this area should be noted as a No Go Area.

6. IMPACT SUMMARY OF THE PROPOSAL OR PREFERRED ALTERNATIVE

Having assessed the significance of impacts of the proposal and alternative(s), please provide an overall summary and reasons for selecting the proposal or preferred alternative.

The preferred has been considered due to the fact that it was proven to have been disturbed currently through cultivation, previously grazed, and disturbed. The grass of this eastern section of site is of low importance Ideally, the low-medium sensitivity class, consisting of *Hyaprrhenia hirta* dominated grassland on the western section of the site, should be used for the proposed development of a chicken rearing infrastructure.

7. SPATIAL DEVELOPMENT TOOLS

Indicate the application of any spatial development tool protocols on the proposed development and the outcome thereof.

None

8. RECOMMENDATION OF THE PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the Environmental Assessment Practitioner as bound by professional ethical standards and the code of conduct of EAPASA).

YES	NO
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If "NO", indicate the aspects that require further assessment before a decision can be made (list the aspects that require further assessment):

If "YES", please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application:

- An appointment of the ECO - To ensure that the following species; *Searsia*

gracillima var gracillima habitat unit in its entirety, once designs have been finalised, a walkdown of the development footprint area be undertaken and all protected species marked for relocation. This area where this plants are located should be barricaded about 80-100m be left undeveloped to filter impacts and edge effects. So during construction this area should be noted as a No Go Area.

- The ECO to facilitate the search and rescue of the (Searsia gracillima var gracillima).
- The EMPr compiled as part of the Basic Assessment Process must be implemented during the construction phase. An ECO must be appointed to undertake audits of the site.

9. THE NEEDS AND DESIRABILITY OF THE PROPOSED DEVELOPMENT (as per notice 792 of 2012, or the updated version of this guideline)

The poultry industry plays a significant role in developing the new emerging black farmer with skills and it also play a role to meet the growing market of chicken business while creating jobs for South African youth. As with most agricultural enterprises there is a continuing need to expand the current operation in order to be more efficient and economically viable as well as a need to meet the ever-increasing demand for poultry products in South Africa.

10. THE PERIOD FOR WHICH THE ENVIRONMENTAL AUTHORISATION IS REQUIRED (CONSIDER WHEN THE ACTIVITY IS EXPECTED TO BE CONCLUDED)

5 Years

11. ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) (must include post construction monitoring requirements and when these will be concluded.)

If the EAP answers "Yes" to Point 7 above then an EMP is to be attached to this report as an Appendix

EMPr attached

Yes

SECTION F: APPENDIXES

The following appendixes must be attached as appropriate (this list is inclusive, but not exhaustive):

It is required that if more than one item is enclosed that a table of contents is included in the appendix

Appendix A: Site plan(s) – *(must include a scaled layout plan of the proposed activities overlain on the site sensitivities indicating areas to be avoided including buffers)*

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Route position information

Appendix E: Public participation information

Appendix F: Water use license(s) authorisation, SAHRA information, service letters from municipalities, water supply information

Appendix G: Specialist reports

Appendix H: EMPr

Appendix I: Other information

CHECKLIST

To ensure that all information that the Department needs to be able to process this application, please check that:

- Where requested, supporting documentation has been attached;
- All relevant sections of the form have been completed.

